



The Danish Royal Lifeguards now have secure conditions when the guards on duty have to discharge their weapons

Howeni Projects has, in cooperation with the Danish Defence Building Maintenance Service, developed a discharge-tube for secure control of the chamber of a weapon is empty and does not contain munitions. The solution is designed to blend in among the listed buildings and on the same time meet the high standards to safety and security when handling weapons, layed down by The Royal Lifeguards.

Assignment

The Danish Defence wanted a discreet solution, which could be installed outside among listed historic buildings, without attracting attention. On the same time, it had to be safe and be able to catch the bullet from a rifle, which is the standard weapon used by the Royal Lifeguards. There is, on the market today, solutions that can do the same, but none of them could meet the demands to design given by the Danish Defence.

Howeni Projects has been in charge of the whole process from ideas, design, production and installation. The Danish Defence has tested the solution at The Danish Army Combat-school in Oksbøl, Jutland.

Solution

The discharge-tube is made of stainless steel, with a container inside the tube. The container has a center-tube where the pipe of the weapon is inserted, while it is discharged. Surrounding the center tube is Saab Barracuda Soft Armour, which can absorb a misfired bullet. The container can easily be removed for control.

Saab Barracuda Soft Armour is based on a ceramic ball with a diameter of approx. 12 mm and, when used in layers of 125 mm, is able to absorb the energy from a bullet and stop it completely equivalent to FB 7 (EN 1522). The ceramic balls can be installed outdoors, as they are not affected by temperature or water. There are 200 mm Saab Barracuda Soft Armour in front of the pipe of the weapon.

The discharge-tube has a base which is bolted to a 100 cm long ground plug, that is vibrated in to the ground. This is a quick and solid method to anchor the discharge-tube with. The ground plug is hot galvanized and can survive many years in the ground.

To avoid corrosion between the stainless steel and the galvanized steel there have been inserted fiber washers and fiber tubes around the 10 mm bolts that connects the discharge-tube and the ground plug.



A ground-plug is vibrated carefully into the ground so the vegetation is not damaged.



The base of the discharge-tube is bolted to the ground plug.



Conclusion

"We chose Howeni Project to develop and install this solution after having scanned the market for standard solutions. The process has been flawless and we have tested the solution and we are very satisfied. It is not the last time we use Howeni Project on a special project like this," says Flemming Bartholin, from the Danish Defence Building Department.

Steen Brahe Bonke, Chief Executive Officer, Strategic Security Adviser & Chief Executive Partner, Howeni Eurosafe A/S says: "To be able to take an idea and develop it to a finished product sets very high demands to a supplier. We have made a unique solution to the customer, which will last for many years. Our project department has the competences to solve a broad variety of assignments, especially the ones that are not 'off the shelf'. We have experience from many projects home and abroad. Nothing is impossible until proven so".

Contact

If you have any questions, you are welcome to contact us at +45 7010 5588 or kontakt@howenieurosafe.dk. You can also contact your security advisor directly at Howeni Projects and of course read more on the web at www.howeniprojects.dk.

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Flemming Bartholin,
Danish Defence Building Department

A discharge-tube for pistols is also available. Can be used as a desktop solution or mounted on a wall

